

**I. PROJECT DESCRIPTION
GENERAL**

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 198 (LAUREL FORT MEADE ROAD) AND RUSSETT GREEN EAST/CORRIDOR MARKETPLACE IN ANNE ARUNDEL COUNTY. AUDIBLE PEDESTRIAN PUSHBUTTON STATIONS, TWO (2) 32"X14" STEEL STRAIN POLES AND COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTIONS SHALL BE INSTALL AT THE INTERSECTION ACROSS THE WEST AND NORTH LEGS OF INTERSECTION. A NEW ADA RAMP SHALL ALSO BE INSTALL FOR THE SOUTHWEST CORNER OF THE INTERSECTION. THE MEDIAN FOR THE WEST SIDE OF THE INTERSECTION SHALL BE RECONSTRUCTED AND APS AND CPS SHALL BE INSTALLED FOR THE WEST LEG ONLY.

II. INTERSECTION OPERATION

A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET EXISTS AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. THE SIDE STREETS FOR THIS LOCATION OPERATE UTILIZING A SPLIT PHASE SEQUENCE FOR THE NORTH AND SOUTH BOUND APPROACHES OF RUSSETT GREEN EAST/CORRIDOR MARKETPLACE. THE MAIN LINE OPERATES UTILIZING A LEAD LAG PHASING. THE LEFT TURN PHASE FOR THE WESTBOUND APPROACH IS THE LEAD AND THE LEFT TURN FOR THE EASTBOUND APPROACH OPERATES AS THE LAG.

III. SPECIAL NOTES

- "PUSHBUTTONS ARE TO BE LOCATED SO THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60"X60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%."
- "LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC.4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPRVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY".
- APS WILL FUCTION AS FOLLOWS:
 - WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL BE "WAIT TO CROSS LAUREL-FORT MEADE ROAD. SECOND PUSHBUTTON IN MEDIAN."
 - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
 - UPON PUSHING THE MEDIAN PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGES IN THE MEDIAN WILL BE:
 - "WAIT TO CROSS LAUREL-FORT MEADE ROAD"
 - RAPID TICK DURING WALK PHASE

4. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MS. KIMBERLY TRAN , ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019
MR. MARK COBLENTZ, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1031
MR. CHUCK E. GEORGE, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013
MR. JOHN S. MAYS, UTILITY ENGINEER
PHONE: (410) 841-1039
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. ROBERT SNYDER, ASSISTANT DIVISION CHIEF OF TOD - PHONE DROP
PHONE: (410) 787-7631

5. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING STANDARD PLATES FOR TRAFFIC CONTROL:

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

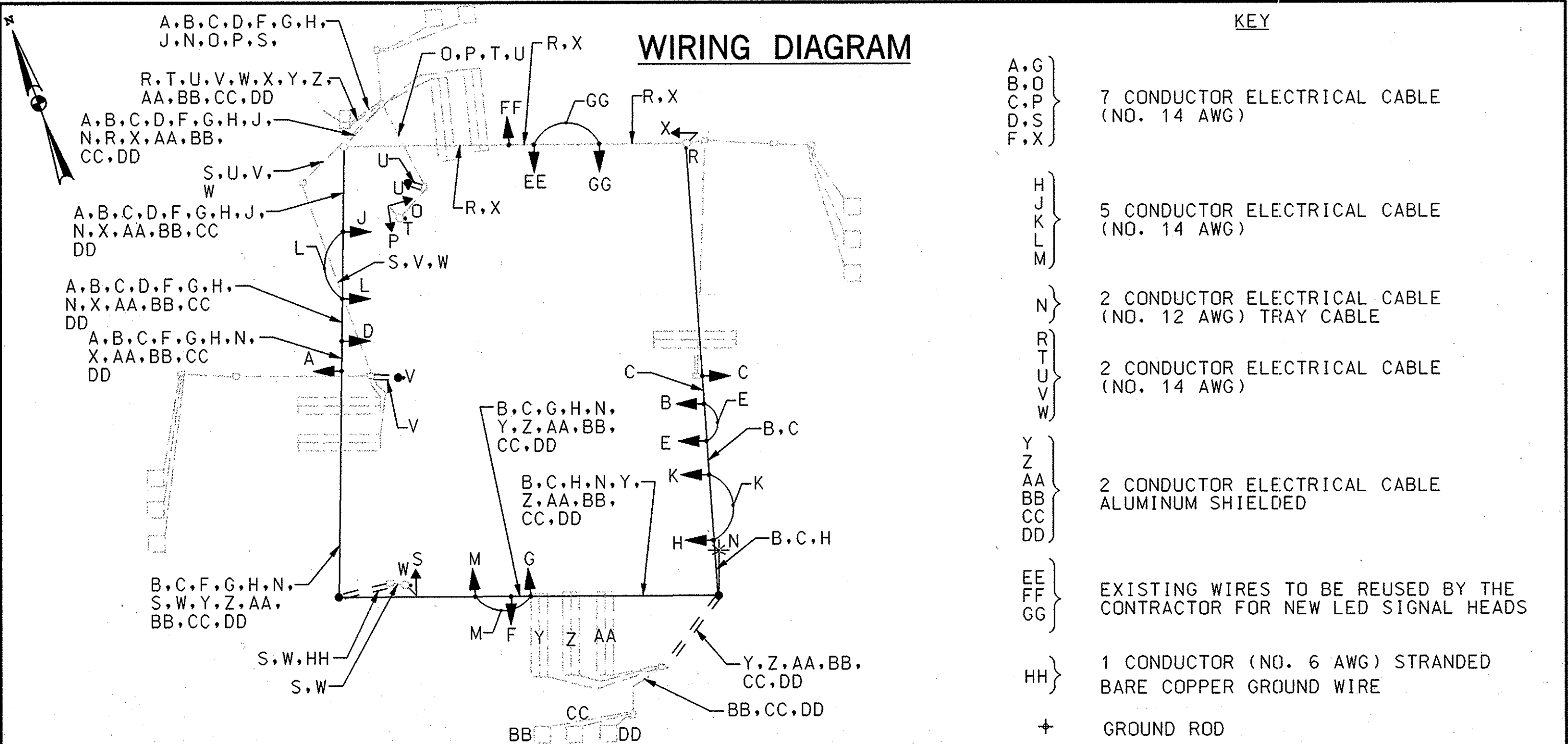
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9011	14IN. X 32FT. STRAIN POLE (2 PLY)	EA	2
9570	SHEET ALUMINUM GROUND MOUNTED SIGN CONSISTING OF: SHIELD ASSEMBLY (48" X 75") R5-1(36"X36") R5-1a(24"X36")	SF EA EA EA	41 1 1 1
9571	SHEET ALUMINUM POLE MOUNTED SIGN CONSISTING OF: SHIELD ASSEMBLY (30" X 51")	SF EA	11 1
9572	SHEET ALUMINUM SPAN MOUNTED SIGN CONSISTING OF: D-3(2)(VAR. X 16") R3-5(L)(30" X 36") R3-5(R)(30" X 36") R3-6(30" X 36")	SF EA EA EA EA	90 4 4 1 1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
2002	TEST PIT EXCAVATION	CY	2
5002	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	575
5004	12 INCH HEAT APPLIED WHITE PERM. PREFORM. THERM. PAVE. MARK. FOR CROSSWALKS	LF	545
5005	24 INCH HEAT APPLIED WHITE PERM. PREFORM. THERM. PAVE. MARK. FOR STOP LINES	LF	150
6001	STANDARD TYPE D COMBINATION CURB AND GUTTER 12 IN. GUTTER PAN 8 IN. DEPTH	LF	35
6002	4 INCH CONCRETE SIDEWALK	SF	525
8001	12 INCH LED SIGNAL HEAD SECTION	EA	43
8002	2 WIRE CENTRAL CONTROL UNIT	EA	1
8004	8 INCH LED SIGNAL HEAD SECTION	EA	6
8007	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE	EA	1
8008	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGN	EA	5
8009	BREAKAWAY PEDESTAL POLE ANY SIZE	EA	2
8013	INSTALL STEEL STRAIN POLE	EA	2
8014	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	4
8022	REMOVE AND DISPOSE MATERIALS AND EQUIPMENT PER ASSIGNMENT	EA	1
8035	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES TRENCHED	LF	90
8037	WOOD SIGN SUPPORTS UP TO 4 INCH X 6 INCH	LF	20
8038	DETECTABLE WARNING SURFACES	SF	130
8039	INSTALL OVERHEAD OR GROUND MOUNTED SIGN INCLUDING ALL HARDWARE	SF	142
8041	NO 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	40
8053	ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED	LF	2820
8054	ELECTRICAL CABLE - 2 CONDUCTOR NO. 14 AWG	LF	890
8056	ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG	LF	405
8057	ELECTRICAL CABLE - 7 CONDUCTOR NO. 14 AWG	LF	970
8058	ELECTRICAL CABLE - 2 CONDUCTOR NO. 12 AWG TRAY CABLE	LF	415
8062	STEEL SPAN WIRE - 1/4 INCH DIAMETER	LF	520
8063	STEEL SPAN WIRE - 3/8 INCH DIAMETER	LF	520
8068	FURNISH AND INSTALL BACK GUY	EA	2

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL EQUIPMENT BECOMES THE PROPERTY OF THE CONTRACTOR.



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PHASE 2 AND 5	←R	←R	←R	R	R	←G	←G	G	G	R	R	R	R	R	R	WK	WK	DW	DW
5 CHANGE	←R	←R	←R	R	R	←Y	←Y	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 2 AND 6	←R	←R	←R	G	G	←R	←R	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	←R	←R	←R	G	G	←R	←R	G	G	R	R	R	R	R	R	FLDW	FLDW	DW	DW
2 CHANGE	←R	←R	←R	G	G	←R	←R	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 1 AND 6	←G	←G	←G	G	G	←R	←R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 AND 6 CHANGE	←Y	←Y	←Y	Y	Y	←R	←R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	←R	←R	←R	R	R	←R	←R	R	R	←G	←G	G	R	R	R	DW	DW	DW	DW
3 CHANGE	←R	←R	←R	R	R	←R	←R	R	R	Y	Y	Y	Y	R	R	DW	DW	DW	DW
PHASE 4	←R	←R	←R	R	R	←R	←R	R	R	R	R	R	←G	←G	G	DW	DW	DW	DW
4 CHANGE	←R	←R	←R	R	R	←R	←R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 4 ALT.	←R	←R	←R	R	R	←R	←R	R	R	R	R	R	←G	←G	G	DW	DW	WK	WK
PED CLEARANCE	←R	←R	←R	R	R	←R	←R	R	R	R	R	R	←G	←G	G	DW	DW	FLOW	FLOW
4 ALT. CHANGE	←R	←R	←R	R	R	←R	←R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

1 GREENLINE REVISION No. 1 03/2/08



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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 198 AND RUSSETT GREEN EAST/ENT.
TO CORRIDOR MARKETPLACE**
LAUREL, MD

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 03/22/2008 CONTRACT NO. AT9155185

DESIGNED BY S. SMITH COUNTY ANNE ARUNDEL

DRAWN BY S. SMITH LOGMILE 02018801.69

CHECKED BY J. WEAVER T.I.M.S. NO. 1083

F.A.P. NO. TOD NO.

TS NO. 3150D DRAWING NO. 2 OF 2 SHEET NO. OF